

STEREO MOC Status Report
Time Period: 2010:319 - 2010:325

STEREO Ahead (STA) Status:

1. The following Ground System anomalies occurred during this reporting period:

- On day 322, during the DSS 54 support, turbo decoder lock was lost intermittently at 0747z through 0810z. This resulted in the loss of four frames of instrument SSR data. See DR# N106757 for more information.
- On day 323, during the DSS 14 support, the antenna brakes were set at 1300z. The brakes were released and tracking resumed, however the problem recurred at 1323z. DSS 14 was declared red for the remainder of the support. This resulted in the loss of 104 minutes of real-time data, and nine hours of S/C housekeeping data. All instrument SSR data was recovered. See DR# G110771 for more information.
- On day 324, the scheduled DSS 45 support at 0100z was canceled as DSS 45 was not ready to support. A 3.6 hour DSS 63 support was added with a BOT of 324-0450z. As there was no track prior to this newly added track, a blind acquisition was conducted which configured the S/C for a 720 kbps downlink. SSR pointers were moved to recover the lost data from the previous DSS 14 anomaly and missed DSS 45 support. While all instruments SSR data was recovered, eight hours of S/C housekeeping data was lost.
- On day 325, the DSS 54 support did not occur as the antenna was declared red due to a failed down converter. SSR pointers were moved on the next support with DSS 26 to recover the lost data from this outage. All SSR data was recovered. See DR# M106055 for more information.

2. The following spacecraft/instrument events occurred during this week:

- On day 324, the SECCHI instrument reset at 06:31:47z. The SECCHI team reconfigured the instrument to operational mode at 324-1530z. This was the 18th reset of SECCHI on the Ahead spacecraft.
- The average daily SSR playback volume for Ahead was 4.5 Gbits during this week.

STEREO Behind (STB) Status:

1. The following Ground System anomalies occurred during this reporting period:

- On day 319, during the DSS 55 support, turbo decoder lock was lost intermittently at 1848z through 1852z. This resulted in the loss of several minutes of instrument SSR data. See DR# N106764 for more information.
- On day 322, the in-situ instrument partitions filled at 0732z due to insufficient track time on day 321. The autonomy rule to free SSR space fired at 1556z. This resulted in the loss of two to eight hours of instrument SSR data.
- On day 322, during the DSS 54 support, turbo decoder lock was lost intermittently at 1621z through 1740z. This resulted in the loss of three frames of instrument SSR data. See DR# N106763 for more information.
- On day 324, the scheduled DSS 45 support at 0515z was canceled as DSS 45 was not ready to support. A 3.6 hour DSS 55 support was added with a BOT of 324-1530z. All SSR data was recovered.
- On day 325, the scheduled DSS 54 support at 1610z was canceled due to an ongoing power upgrade at the Goldstone DSN complex. This resulted in the loss of two to six hours of instrument SSR data.
- On day 325, during the DSS 14 support, turbo decoder lock was lost intermittently at 2008z. This resulted in the loss of several minutes of instrument SSR data.

2. The following spacecraft/instrument events occurred during this week:

- The average daily SSR playback volume for Behind was 4.4 Gbits during this week.